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> 1982 Census of Construction Industries Preliminary Report Summary Series





1982

Census of Construction Industries

CC82-SUM-1(P) Issued April 1984

For Reference

Not to be taken from this room

UNITED STATES (Industry Statistics)

Construction Industries and Subdividers and Developers

During 1982, the establishments with paid employees which were operating primarily as general contractors, operative builders, special trade contractors, or land subdividers and developers had business receipts of \$325.5 billion. Of this amount, \$312.8 billion were receipts for construction work. Their payments for construction work subcontracted to others amounted to \$77.0 billion leaving net construction receipts of about \$235.7 billion. Total average employment was 4,361,852 employees with total payroll of \$79.1 billion. Value added for 1982 was \$148.1 billion.

This report summarizes the data from the preliminary reports already published for each of the industries covered by the 1982 Census of Construction Industries. Establishments have been classified in construction industries in accordance with industry definitions described in the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.



For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

[111003	and dollars. Detail may not add to total due to founding. To mean	1982							
			Emplo	yees**	Pay	roll			
SIC code	Industry	Number of establishments	All	Construction workers	All employees	Construction workers	Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
	Construction industries and subdividers and developers	447 887	4 361 852	3 530 968	79 121 058	60 596 465	5 929 582	312 772 997	235 725 677
15,16, 17	Construction industries	441 851	4 320 275	3 515 203	78 526 556	60 432 131	5 902 050	310 622 566	234 379 988
15	General building contractors and operative builders	121 266	1 066 529	822 063	17 594 918	12 162 529	1 391 756	114 752 892	60 617 973
152 1521 1522	General contractors, residential buildings: Single-family houses Other residential buildings	72 061 7 570	368 675 65 518	306 600 52 478	4 053 805 1 134 540	3 152 752 802 867	489 657 91 476	22 194 184 8 100 812	15 870 606 3 716 447
1531	Operative builders	14 045	108 253	53 204	1 884 747	706 103	89 437	15 826 517	9 109 897
154 1541 1542	General contractors, nonresidential buildings: Industrial buildings and warehouses Nonresidential buildings, n.e.c	7 406 20 184	160 822 363 261	127 663 282 118	3 407 052 7 114 674	2 49 3 799 5 007 008	226 718 494 468	18 544 371 50 087 008	9 691 095 22 229 928
16	Heavy construction, general contractors	26 251	825 130	680 171	18 952 818	14 956 100	1 147 141	65 024 550	52 719 253
1611	Highway and street construction	8 177	185 574	157 859	3 552 904	2 801 413	284 755	16 179 460	13 172 239
162 1622 1623 1629	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction Water, sewer, and utility lines Heavy construction, n.e.c.	997 9 313 7 764	37 174 188 537 413 845	32 112 162 020 328 180	790 611 3 601 173 11 008 130	64 6 3 65 2 924 482 8 58 3 840	57 312 306 669 498 405	3 337 551 12 067 366 33 440 17 3	2 660 909 10 575 253 26 310 852
17	Special trade contractors	294 334	2 428 616	2 012 969	41 978 820	33 313 502	3 363 151	130 845 124	121 042 762
1711	Plumbing, heating, and air conditioning	59 8 3 0	510 871	396 772	9 857 470	7 474 250	699 797	3 2 61 3 083	28 803 193
1721	Painting, paper hanging, and decorating	24 880	137 142	122 246	1 893 954	1 603 79 3	193 592	4 726 046	4 465 501
1731	Electrical work	38 470	444 315	359 905	9 152 188	7 3 74 814	641 794	25 773 571	25 069 460
174 1741 1742 1743	Masonry, plastering, and tile setting: Masonry, stone setting, and other stonework Plastering, drywall, and insulation work Terrazzo, tile, marble, and mosaic work	20 057 15 3 58 3 860	120 273 209 244 25 219	109 245 180 798 21 518	1 550 490 3 593 861 381 719	1 343 368 2 955 259 304 357	159 727 290 964 33 810	4 265 504 9 850 971 1 180 599	4 042 102 9 264 510 1 148 786
175 1751 1752	Carpentering and flooring: CarpenteringFloor laying and other floorwork	30 634 6 763	134 000 3 2 697	118 189 25 702	1 643 782 50 3 598	1 376 986 369 391	178 987 41 424	5 577 542 1 825 097	4 861 829 1 728 07 3
1761	Roofing and sheet metal work	21 215	191 526	158 980	3 039 900	2 327 076	261 675	9 841 143	9 323 164
1771	Concrete work	19 884	177 763	155 25 3	2 590 246	2 113 339	250 439	9 669 402	8 714 91 3
1781	Water well drilling	3 516	17 253	13 775	250 449	191 000	25 458	1 019 012	988 998
179 1791 1793 1794 1795 1796 1799	Miscellaneous special trade contractors: Structural steel erection	3 692 3 864 17 368 886 3 753 20 304	63 086 36 517 130 440 8 456 62 641 127 173	53 848 26 900 109 9 33 7 240 50 928 101 737	1 340 588 708 983 2 026 685 132 722 1 508 215 1 803 970	1 097 047 501 997 1 658 608 108 850 1 191 427 1 321 940	87 067 46 989 184 769 11 342 87 510 167 807	3 617 661 2 461 724 7 698 653 382 923 4 372 292 5 969 901	3 305 235 2 402 851 6 918 435 346 744 4 142 442 5 516 526
6552	Subdividers and developers, n.e.c.	6 036	41 577	15 765	594 502	164 334	27 534	2 150 431	1 345 689

¹Land receipts for SIC 1531 were \$2,632,242; for SIC 6552 were \$1,058,661.

			1982-	-Con.				1977					
	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub- contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	error (pe	ive star of estinercent): olumn-	mate for	SIC code
	1	J	К	L	М	N	0	Р	Q	В	Н	М	
14	8 135 157	96 961 653	77 047 308	4 515 654	5 294 939	57 564 266	4 272 659	214 844 319	98 863 653	(W)	(W)	(W)	:
14	6 978 736	96 518 703	76 242 566	4 496 844	5 216 013	56 296 126	4 233 658	213 032 139	98 116 143	(W)	(W)	(W)	15,16, 17
3:	5 945 524	26 55 7 0 26	54 134 915	902 442	1 289 534	13 111 830	1 180 747	85 540 339	25 040 430	(W)	(W)	1	15
	8 736 488 2 031 743	7 580 560 1 788 584	6 323 578 4 384 364	204 688 55 884	309 753 91 251	2 763 813 579 552	437 681 55 589	21 292 675 4 442 110	7 297 013 1 144 584	(W) (W)	(W) (W)	1	152 1521 1522
	5 749 452	3 837 196	6 716 619	97 517	261 422	3 298 061	173 819	19 812 272	5 229 031	(W)	(W)	(W)	1531
	6 006 115 3 421 726	3 969 200 9 381 486	8 853 275 27 857 079	165 546 378 807	168 489 458 619	1 719 274 4 751 130	202 070 311 588	12 855 514 27 137 768	4 2 57 546 7 112 256	(W) (W)	(W) (W)	(W) (W)	154 1541 1542
3:	5 200 689	21 354 457	12 305 295	1 665 106	1 602 710	19 135 830	917 083	48 253 618	26 573 286	(W)	(W)	(W)	16
	7 740 455	6 217 764	3 007 221	555 212	585 918	8 094 582	267 917	15 021 207	7 641 218	(W)	(W)	(W)	1611
1	1 420 581 7 104 801 8 934 852	1 386 821 3 661 607 10 088 265	676 642 1 492 112 7 129 320	78 608 466 420 564 866	86 675 488 235 441 882	996 616 4 808 802 5 235 830	38 093 198 354 412 719	2 247 284 9 361 092 21 624 035	962 687 5 522 719 12 446 662	1 (W) (W)	(W) (W) (W)	(W) (W) (W)	162 1622 1623 1629
7:	5 832 523	48 607 220	9 802 356	1 929 296	2 323 769	24 048 466	2 135 828	79 238 182	46 502 427	(W)	(W)	1	17
10	6 933 312	12 724 731	3 809 889	363 915	437 249	4 560 201	458 687	21 072 098	10 681 068	(W)	(W)	(W)	1711
;	3 414 612	1 087 274	260 545	64 902	92 220	731 275	133 106	3 171 129	2 362 004	(W)	(W)	1	1721
15	5 142 057	10 439 371	704 110	238 316	368 380	3 725 200	356 591	14 221 277	8 748 490	(W)	(W)	(W)	1731
	2 663 038 6 005 118 660 991	1 442 256 3 619 474 507 918	223 401 586 461 31 813	51 317 100 323 9 247	72 555 125 650 13 878	839 425 1 021 468 116 888	152 167 180 326 22 324	3 775 368 6 057 467 766 114	2 416 694 3 630 142 443 049	(W)	(W) (W) 1	1 1 4	174 1741 1742 1743
	2 985 530 929 017	1 938 294 858 870	715 713 97 024	52 492 19 330	76 183 19 306	691 324 171 478	124 6 46 40 990	3 597 222 1 616 932	2 083 098 823 659	1	(W)	1 3	175 1751 1752
	5 465 642	4 051 748	517 978	109 545	157 061	1 390 926	171 931	6 200 390	3 420 412	(W)	(W)	1	1761
:	5 059 252	3 886 482	954 489	218 913	244 238	2 774 327	118 116	4 097 293	2 227 880	(W)	(W)	(W)	1771
	579 889	426 804	30 014	11 259	34 018	527 482	22 352	1 090 418	628 789	2	2	5	1781
	2 424 996 1 320 297 5 235 403 319 487 3 080 076 3 613 806	989 928 1 274 309 1 993 128 54 043 1 130 330 2 182 260	312 426 58 873 780 218 36 178 229 849 453 375	83 897 29 622 406 102 25 768 44 988 99 360	69 952 28 781 394 949 17 059 49 073 123 217	708 004 236 093 4 807 214 172 804 458 664 1 115 693	47 166 26 125 104 092 8 295 40 474 128 440	1 803 301 1 006 566 4 215 722 240 630 1 899 047 4 407 208	1 184 420 570 736 2 993 648 210 606 1 385 046 2 692 686	(W) 1 1 1 (W) 1	(W) 1 (W) 1 (W) (W) (W)	1 2 1 1 1	179 1791 1793 1794 1795 1796 1799
	1 156 421	442 950	804 742	18 810	78 926	1 268 140	39 001	1 812 184	747 516	1	1	1	6552

Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Hom			Relative standard erro	or of estimate (percent)
ltem	1982	1977	1982	197
Total construction receipts	3 12 772 99 7	214 844 319	(W)	(W)
Building construction Single-family houses Apartment buildings with two or more apartments Other residential buildings Industrial buildings and warehouses Office and bank buildings Farm buildings Farm buildings Stores, restaurants, public garages, and automobile service stations Religious buildings Educational buildings Hospitals and institutional buildings Amusement, social, and recreational buildings	207 608 024 52 966 936 14 066 932 6 051 258 42 889 091 43 442 824 1 590 685 16 386 616 2 648 916 9 358 150 13 74 775 2 236 908	144 504 718 56 752 902 10 476 799 2 968 264 27 264 478 12 881 160 1 477 332 9 519 992 2 176 653 8 693 403 9 508 925 1 550 517	(W) (W) (W) (W) (W) (W) 2 (W) 1 (W) (W)	(W (W (W (W (W (W (W
Other nonresidential buildings Ionbuilding construction Highways, streets, and related facilities Outdoor swimming pools Airports Parking areas Fencing Bridges and elevated highways Tunnets Dam and reservoir construction	2 174 933 79 521 533 19 195 326 511 702 104 965 413 812 321 621 3 565 714 1 073 713 730 297	1 234 292 59 798 755 15 198 411 931 725 63 883 217 567 383 351 2 651 375 290 878 961 244	1 (W) (W) 3 3 2 4 (W) (W)	(W (W (W
Marine construction Harbor and port facilities Conservation and development construction Power and communication transmission lines, towers, and related facilities Mass transit construction Blast furnaces, petroleum refineries, and chemical complexes Power plants Sewer, water mains, and related facilities Pipe line, other than sewer or water lines Sewage treatment and water treatment plants Other nonbuilding construction	1 721 373 657 521 1 089 437 4 445 300 1 910 150 10 364 812 14 044 063 7 970 754 3 212 882 4 117 106 4 070 985	1 055 337 430 694 1 322 162 2 782 351 1 267 435 7 476 199 8 214 553 7 530 042 2 599 250 3 861 759 2 560 539	1 1 2 (W) (W) (W) (W) (W) 1 1 (W)	(V (V) (V) (V) (V)
onstruction work, n.s.k.	25 643 440	10 542 872	(W)	

The following abbreviations and symbols are used in the tables in this publication:

Sampling error exceeds 40 percent.
All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.

Represents zero.

Represents total construction receipts less payments for construction work subcontracted to others.

†† Represents all business receipts less payments for construction work subcontracted to others, and payments for material, components, supplies, and fuels. In SIC's 1531, 6552, land receipts are also subtracted from "all business receipts". Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

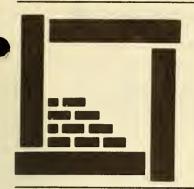
(NA) Not available.

(S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.

(W) Greater than zero but less than 1 percent.

Not applicable.

n.s.k. Not specified by kind.



1982

Census of Construction Industries

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(Industry Statistics)
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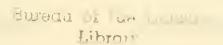


Table 1. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

		1982							
			Emplo	yees**	Pay	yroll			
SIC code	Industry	Number of establish- ments	All	Construction workers	All employees	Construction workers	Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
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16	Heavy construction, general contractors	26 251	825 130	680 171	18 952 818	14 956 100	1 147 141	65 024 550	52 719 25 3
1611	Highway and street construction	8 177	185 574	157 859	3 552 904	2 801 413	284 755	16 179 460	13 172 239
162 1622 1 6 23 1629	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction Water, sewer, and utility lines Heavy construction, n.e.c.	997 9 313 7 7 6 4	37 174 188 537 413 845	32 112 1 6 2 020 328 180	790 611 3 601 173 11 008 130	646 365 2 924 482 8 583 840	57 312 30 6 66 9 498 405	3 337 551 12 067 366 33 440 173	2 660 909 10 575 253 26 310 852
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1711	Plumbing, heating, and air conditioning	59 830	510 871	396 772	9 857 470	7 474 250	6 99 797	32 6 13 083	28 803 193
1721	Painting, paper hanging, and decorating	24 880	137 142	122 246	1 893 954	1 603 793	193 592	4 726 04 6	4 465 501
1731	Electrical work	38 470	444 315	359 905	9 152 188	7 374 814	641 794	25 773 571	25 069 4 6 0
174 1741 1742 1743	Masonry, plastering, and tile setting: Masonry, stone setting, and other stonework Plastering, drywall, and insulation work Terrazzo, tile, marble, and mosaic work	20 057 15 358 3 860	120 273 209 244 25 219	109 245 180 798 21 518	1 550 490 3 593 861 381 719	1 343 368 2 955 259 304 357	159 727 290 9 6 4 33 810	4 2 6 5 504 9 850 971 1 180 599	4 042 102 9 264 510 1 148 786
175 1751 1752	Carpentering and flooring: CarpenteringFloor laying and other floorwork	30 634 6 7 6 3	134 000 32 6 97	118 189 25 702	1 643 782 503 598	1 37 6 98 6 369 391	178 987 41 424	5 577 542 1 825 097	4 8 6 1 829 1 728 073
1761	Roofing and sheet metal work	21 215	191 526	158 980	3 039 900	2 327 076	261 675	9 841 143	9 323 164
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1781	Water well drilling	3 516	17 253	13 775	250 449	191 000	25 458	1 019 012	988 998
179 1791 1793 1794 1795 1796	Miscellaneous special trade contractors: Structural steel erection	3 6 92 3 8 6 4 17 368 886 3 753 20 304	63 086 36 517 130 440 8 456 62 641 127 173	53 848 26 900 109 933 7 240 50 928 101 737	1 340 588 708 983 2 026 685 132 722 1 508 215 1 803 970	1 097 047 501 997 1 658 608 108 850 1 191 427 1 321 940	87 067 46 989 184 769 11 342 87 510 167 807	3 617 661 2 461 724 7 698 653 382 923 4 372 292 5 969 901	3 305 235 2 402 851 6 918 435 346 744 4 142 442 5 516 526
6552	Subdividers and developers, n.e.c.	6 036	41 577	15 765	594 502	164 334	27 534	2 150 431	1 345 689

¹Land receipts for SIC 1531 were \$2,632,242; for SIC 6552 were \$1,058,661.

					1977				-Con.	1982-		
SIC cod	Relative standard error of estimate (percent) for column—			Value added††	Total construction receipts	All employees**	End-of-year gross book value of depreciable assets	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures	Payments for construction work sub- contracted to others	Payments for materials, components, supplies, and fuels	Value added††
	М	Н	В	, Q	Р	0	N	М	L	К	J	1
	(W)	(W)	(W)	98 863 653	214 844 319	4 272 659	57 564 266	5 294 939	4 515 654	77 047 308	96 961 653	148 135 157
15,16, 17	(W)	(W)	(W)	98 116 143	213 032 139	4 233 658	56 296 126	5 216 013	4 496 844	76 242 566	96 518 703	146 978 736
15	1	(W)	(W)	25 040 430	85 540 339	1 180 747	13 111 830	1 289 534	902 442	54 134 915	26 557 026	35 945 524
152 1521 1522	1	(W) (W)	(W) (W)	7 297 013 1 144 584	21 292 675 4 442 110	437 6 81 55 589	2 76 3 813 579 552	309 753 91 251	204 688 55 884	6 323 578 4 384 364	7 580 560 1 788 584	8 736 488 2 031 743
1531	(W)	(W)	(W)	5 229 031	19 812 272	173 819	3 298 061	261 422	97 517	6 716 619	3 837 196	5 749 452
154 1541 1542	(W) (W)	(W) (W)	(W) (W)	4 257 546 7 112 256	12 855 514 27 137 768	202 070 311 588	1 719 274 4 751 130	168 489 458 619	165 546 378 807	8 853 275 27 857 079	3 969 200 9 381 486	6 006 115 13 421 726
16	(W)	(W)	(W)	26 573 286	48 253 618	917 083	19 135 830	1 602 710	1 665 106	12 305 295	21 354 457	35 200 689
1611	(W)	(W)	(W)	7 641 218	15 021 207	267 917	8 094 582	585 918	555 212	3 007 221	6 217 764	7 740 455
162 1622 1623 1629	(W) (W) (W)	(W) (W) (W)	1 (W) (W)	962 687 5 522 719 12 446 662	2 247 284 9 361 092 21 624 035	38 093 198 354 412 719	996 616 4 808 802 5 235 830	86 675 488 235 441 882	78 608 466 420 564 866	676 642 1 492 112 7 129 320	1 386 821 3 661 607 10 088 265	1 420 581 7 104 801 18 934 852
17	1	(W)	(W)	46 502 427	79 238 182	2 135 828	24 048 466	2 323 769	1 929 296	9 802 356	48 607 220	75 832 523
1711	(W)	(W)	(W)	10 681 068	21 072 098	458 687	4 560 201	437 249	363 915	3 809 889	12 724 731	16 933 312
1721	1	(W)	(W)	2 362 004	3 171 129	133 106	7 31 275	92 220	64 902	260 545	1 087 274	3 414 612
1731	(W)	(W)	(W)	8 748 490	14 221 277	356 591	3 725 200	368 380	238 316	704 110	10 439 371	15 142 057
174 1741 1742 1743	1 1 4	(W) (W) 1	(W)	2 416 694 3 630 142 443 049	3 775 368 6 057 467 766 114	152 167 180 326 22 324	839 425 1 021 468 116 888	72 555 125 650 13 878	51 317 100 323 9 247	223 401 586 461 31 813	1 442 256 3 619 474 507 918	2 663 038 6 005 118 660 991
175 1751 1752	1 3	(W) 1	1 1	2 083 098 823 6 59	3 597 222 1 616 932	124 646 40 990	691 324 171 478	76 183 19 306	52 492 19 330	715 713 97 024	1 938 294 858 870	2 985 530 929 017
1761	1	(W)	(W)	3 420 412	6 200 390	171 931	1 390 926	157 061	109 545	517 978	4 051 748	5 465 642
1771	(W)	(W)	(W)	2 227 880	4 097 293	118 116	2 774 327	244 238	218 913	954 489	3 886 482	5 059 252
1781	5	2	2	628 789	1 090 418	22 352	527 482	34 018	11 259	30 014	426 804	579 889
179 1791 1793 1794 1795 1796 1799	1 2 1 1 1	(W) 1 (W) 1 (W) (W)	(W) 1 1 1 (W) 1	1 184 420 570 736 2 993 648 210 606 1 385 046 2 692 686	1 803 301 1 006 566 4 215 722 240 630 1 899 047 4 407 208	47 166 26 125 104 092 8 295 40 474 128 440	708 004 236 093 4 807 214 172 804 458 664 1 115 693	69 952 28 781 394 949 17 059 49 073 123 217	83 897 29 622 406 102 25 768 44 988 99 360	312 426 58 873 780 218 36 178 229 849 453 375	989 928 1 274 309 1 993 128 54 043 1 130 330 2 182 260	2 424 996 1 320 297 5 235 403 319 487 3 080 076 3 613 806
6552	1	1	1	747 516	1 812 184	39 001	1 268 140	78 926	18 810	804 742	442 950	1 156 421

Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Home			Relative standard erro	r of estimate (percent)
Item	1982	1977	1982	1977
Total construction receipts	312 772 997	214 844 319	(W)	(W)
Building construction	207 608 024	144 504 718	(W)	(W)
Single-family houses	52 966 936 14 066 932	56 752 902 1 10 476 799	(W)	(W)
Apartment buildings with two or more apartmentsOther residential buildings	6 051 258	2 968 264	(W)	(W) (W)
Industrial buildings and warehouses	42 889 091	27 264 478	(W)	W
Office and bank buildings	43 442 824	12 881 160	(W)	(W)
Farm buildings	1 590 685	1 477 332	(,,,	1
Stores, restaurants, public garages, and automobile service stations	16 386 616	9 519 992	(w)	(W
Religious buildings	2 648 916	2 176 653	``1	1
Educational buildings	9 358 150	8 693 403	(W)	(W)
Hospitals and institutional buildings	13 794 775	9 508 925	(W)	(W)
Amusement, social, and recreational buildings	2 236 908	1 550 517	1	1
Other nonresidential buildings	2 174 933	1 234 292	1	1
Manhailding apparatuation	79 521 533	E0 700 755	040	040
Nonbuilding construction	19 195 326	59 798 755 15 198 411	(W) (W)	(W) (W)
Highways, streets, and related facilitiesOutdoor swimming pools	511 702	931 725	(vv)	(vv)
Airports	104 965	63 883	3	2
Parking areas	413 812	217 567	3	9
Fencing	321 621	383 351	4	, a
Bridges and elevated highways	3 565 714	2 651 375	wi l	(W
Tunnels	1 073 713	290 878	ìwi l	(**)
Dam and reservoir construction	730 297	961 244	``11	(W)
Marine construction	1 721 373	1 055 337	1	` i
Harbor and port facilities	657 521	430 694	1	1
Conservation and development construction	1 089 437	1 322 162	2	2
Power and communication transmission lines, towers, and related facilities	4 445 300	2 782 351	(w)	1
Mass transit construction	1 910 150	1 267 435	(W)	
Blast furnaces, petroleum refineries, and chemical complexes	10 364 812	7 476 199	(W)	(W
Power plants	14 044 063 7 970 754	8 214 553 7 530 042	(w)	(W)
Sewer, water mains, and related facilitiesPipe line, other than sewer or water lines	7 970 754 3 212 882	2 599 250	w)	(W
Sewage treatment and water treatment plants	4 117 106	3 861 759	(W)	040
Other nonbuilding construction	4 070 985	2 560 539	(٧٧)	(**
Outer Helioanding contraction and an anti-	4 070 003	2 300 300	•	
Construction work, n.s.k.	25 643 440	10 542 872	(W)	1

The following abbreviations and symbols are used in the tables in this publication:

Sampling error exceeds 40 percent.

All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.

Represents total construction receipts less payments for construction work subcontracted to others.

† †† Represents all business receipts less payments for construction work subcontracted to others, and payments for material, components, supplies, and fuels. In SIC's 1531, 6552, land receipts are also subtracted from "all business receipts". (D) (NA) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

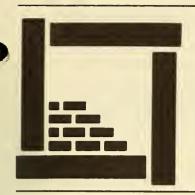
Not available.

(S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.

(W) Greater than zero but less than 1 percent.

(X) Not applicable.

Not specified by kind.



1982

Census of Construction Industries

CC82-SUM-1(P)
Issued April 1984

UNITED STATES
(Industry Statistics)
Construction Industries and Subdividers and Developers

During 1982, the establishments with paid employees which were operating primarily as general contractors, operative builders, special trade contractors, or land subdividers and developers had business receipts of \$325.5 billion. Of this amount, \$312.8 billion were receipts for construction work. Their payments for construction work subcontracted to others amounted to \$77.0 billion leaving net construction receipts of about \$235.7 billion. Total average employment was 4,361,852 employees with total payroll of \$79.1 billion. Value added for 1982 was \$148.1 billion.

This report summarizes the data from the preliminary reports already published for each of the industries covered by the 1982 Census of Construction Industries. Establishments have been classified in construction industries in accordance with industry definitions described in the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.



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Table 1. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

						1982			
			Emplo	yees**	Pay	yroll			
SIC code	Industry	Number of establishments	All	Construction workers	All employees	Construction workers	Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
		А	В	С	D	Е	F	G	Н
	Construction industries and subdividers and developers	447 887	4 361 852	3 530 968	79 121 05 8	60 596 465	5 929 582	312 772 997	235 725 677
15,16, 17	Construction Industries	441 851	4 320 275	3 515 203	78 52 6 55 6	60 432 131	5 902 050	310 622 566	234 379 988
15	General building contractors and operative builders	121 266	1 066 529	822 0 63	17 594 918	1 2 1 62 529	1 391 756	114 752 892	60 617 973
152 1521 1522	General contractors, residential buildings: Single-family housesOther residential buildings	72 061 7 570	368 675 65 518	306 600 52 478	4 053 805 1 134 540	3 152 752 802 867	489 657 91 476	22 194 184 8 100 812	15 870 606 3 716 447
1531	Operative builders	14 045	108 253	53 204	1 884 747	706 103	89 437	15 826 517	9 109 897
154 1541 1542	General contractors, nonresidential buildings: Industrial buildings and warehouses Nonresidential buildings, n.e.c	7 406 20 184	160 822 363 261	127 663 282 118	3 407 052 7 114 674	2 493 799 5 007 008	226 718 494 468	18 544 371 50 087 008	9 691 095 22 229 928
16	Heavy construction, general contractors	26 251	825 130	680 171	18 952 818	14 956 100	1 147 141	65 024 550	52 719 25 3
1611	Highway and street construction	8 177	185 574	157 859	3 552 904	2 801 413	284 755	16 179 460	13 172 239
162 1622 1623 1629	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction Water, sewer, and utility lines Heavy construction, n.e.c	997 9 313 7 764	37 174 188 537 413 845	32 112 162 020 328 180	790 611 3 601 173 11 008 130	646 365 2 924 482 8 583 840	57 312 306 669 498 405	3 337 551 12 067 366 33 440 173	2 660 909 10 575 253 26 310 852
17	Special trade contractors	294 334	2 428 616	2 012 969	41 978 820	33 313 502	3 363 151	130 845 124	1 21 04 2 7 62
1711	Plumbing, heating, and air conditioning	59 830	510 871	396 772	9 857 470	7 474 250	699 797	32 613 083	28 803 193
1721	Painting, paper hanging, and decorating	24 880	137 142	122 246	1 893 954	1 603 793	193 592	4 726 046	4 465 501
1731	Electrical work	38 470	444 315	359 905	9 152 188	7 374 814	641 794	25 773 571	25 069 460
174 1741 1742 1743	Masonry, plastering, and tile setting: Masonry, stone setting, and other stonework Plastering, drywall, and insulation work Terrazzo, tile, marble, and mosaic work	20 057 15 358 3 860	120 273 209 244 25 219	109 245 180 798 21 518	1 550 490 3 593 861 381 719	1 343 368 2 955 259 304 357	159 727 290 964 33 810	4 265 504 9 850 971 1 180 599	4 042 102 9 264 510 1 148 786
175 1751 1752	Carpentering and flooring: CarpenteringFloor laying and other floorwork	30 634 6 763	134 000 32 697	118 189 25 702	1 643 782 503 598	1 376 986 369 391	178 987 41 424	5 577 542 1 825 097	4 861 829 1 728 073
1761	Roofing and sheet metal work	21 215	191 526	158 980	3 039 900	2 327 076	261 675	9 841 143	9 323 164
1771	Concrete work	19 884	177 763	155 253	2 590 246	2 113 339	250 439	9 669 402	8 714 913
1781	Water well drilling	3 516	17 253	13 775	250 449	191 000	25 458	1 019 012	988 998
179 1791 1793 1794 1795 1796 1799	Miscellaneous special trade contractors: Structural steel erection Glass and glazing work Excavating and foundation work Wrecking and demolition work Installing building equipment, n.e.c. Special trade contractors, n.e.c.	3 692 3 864 17 368 886 3 753 20 304	63 086 36 517 130 440 8 456 62 641 127 173	53 848 26 900 109 933 7 240 50 928 101 737	1 340 588 708 983 2 026 685 132 722 1 508 215 1 803 970	1 097 047 501 997 1 658 608 108 850 1 191 427 1 321 940	87 067 46 989 184 769 11 342 87 510 167 807	3 617 661 2 461 724 7 698 653 382 923 4 372 292 5 969 901	3 305 235 2 402 851 6 918 435 346 744 4 142 442 5 516 526
6552	Subdividers and developers, n.e.c.	6 03 6	41 577	15 765	594 502	164 334	27 534	2 150 431	1 345 689

¹Land receipts for SIC 1531 were \$2,632,242; for SIC 6552 were \$1,058,661.

			1982-	-Con.				1977					
	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub- contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	error (pe	ive star of estinercent) olumn-	nate for	SIC code
	- 1	J	К	L	M	N	0	Р	′Ω	В	Н	М	
1	48 135 157	96 9 61 653	77 047 308	4 515 654	5 294 939	57 564 266	4 272 659	214 844 319	98 863 653	(W)	(W)	(W)	
1	46 978 736	96 518 703	76 242 566	4 496 844	5 216 013	56 296 126	4 233 658	213 032 139	98 116 143	(W)	(W)	(W)	15,16, 17
	35 945 524	26 55 7 026	54 134 915	902 442	1 289 534	13 111 830	1 180 747	85 540 339	25 040 430	(W)	(W)	1	15
	8 736 488 2 031 743	7 580 560 1 788 584	6 323 578 4 384 364	204 688 55 884	309 753 91 251	2 763 813 579 552	437 681 55 589	21 292 675 4 442 110	7 297 013 1 144 584	(W) (W)	(W) (W)	1	152 1521 1522
	5 749 452	3 837 196	6 716 619	97 517	261 422	3 298 061	173 819	19 812 272	5 229 031	(W)	(W)	(W)	1531
	6 006 115 13 421 726	3 969 200 9 381 486	8 853 275 27 857 0 7 9	165 546 378 807	168 489 458 619	1 719 274 4 751 130	202 070 311 588	12 855 514 27 137 768	4 257 546 7 112 256	(W) (W)	(W) (W)	(W) (W)	154 1541 1542
	35 200 689	21 354 457	12 305 29 5	1 665 106	1 602 710	19 135 830	917 083	48 253 618	26 573 286	(W)	(W)	(W)	16
	7 740 455	6 217 764	3 007 221	555 212	585 918	8 094 582	267 917	15 021 207	7 641 218	(W)	(W)	(W)	1611
	1 420 581 7 104 801 18 934 852	1 386 821 3 661 607 10 088 265	676 642 1 492 112 7 129 320	78 608 466 420 564 866	86 675 488 235 441 882	996 616 4 808 802 5 235 830	38 093 198 354 412 719	2 247 284 9 361 092 21 624 035	962 687 5 522 719 12 446 662	1 (W) (W)	(W) (W) (W)	(W) (W) (W)	162 1622 1623 1629
	75 832 523	48 607 220	9 802 356	1 929 296	2 323 769	24 048 466	2 135 828	79 238 182	46 502 427	(W)	(W)	1	17
	16 933 312	12 724 731	3 809 889	363 915	437 249	4 560 201	458 687	21 072 098	10 681 068	(W)	(W)	(W)	1711
	3 414 612	1 087 274	260 545	64 902	92 220	731 275	133 106	3 171 129	2 362 004	(W)	(W)	1	1721
	15 142 057	10 439 371	704 110	238 316	368 380	3 725 200	356 591	14 221 277	8 748 490	(W)	(W)	(W)	1731
	2 663 038 6 005 118 660 991	1 442 256 3 619 474 507 918	223 401 586 461 31 813	51 317 100 323 9 247	72 555 125 650 13 878	839 425 1 021 468 116 888	152 167 180 326 22 324	3 775 368 6 057 467 766 114	2 416 694 3 630 142 443 049	(W) 1	(W) (W) 1	1 1 4	174 1741 1742 1743
	2 985 530 929 017	1 938 294 858 870	715 713 97 024	52 492 19 330	76 183 19 306	691 324 171 478	124 646 40 990	3 597 222 1 616 932	2 083 098 823 659	1	(W)	1 3	175 1751 1752
	5 465 642	4 051 748	517 978	109 545	157 061	1 390 926	171 931	6 200 390	3 420 412	(W)	(W)	1	1761
	5 059 252	3 886 482	954 489	218 913	244 238	2 774 327	118 116	4 097 293	2 227 880	(W)	(W)	(W)	1771
	579 889	426 804	30 014	11 259	34 018	527 482	22 352	1 090 418	628 789	2	2	5	1781
	2 424 996 1 320 297 5 235 403 319 487 3 080 076 3 613 806	989 928 1 274 309 1 993 128 54 043 1 130 330 2 182 260	312 426 58 873 780 218 36 178 229 849 453 375	83 897 29 622 406 102 25 768 44 988 99 360	69 952 28 781 394 949 17 059 49 073 123 217	708 004 236 093 4 807 214 172 804 458 664 1 115 693	47 166 26 125 104 092 8 295 40 474 128 440	1 803 301 1 006 566 4 215 722 240 630 1 899 047 4 407 208	1 184 420 570 736 2 993 648 210 606 1 385 046 2 692 686	(W) 1 1 1 (W) 1	(W) 1 (W) 1 (W) (W)	1 2 1 1 1	179 1791 1793 1794 1795 1796 1799
	1 156 421	442 950	804 742	18 810	78 926	1 268 140	39 001	1 812 184	747 516	1	1	1	6552

Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Item			Relative standard erro	or of estimate (percent)
item	1982	1977	1982	1977
Total construction receipts	312 772 997	214 844 319	(W)	(W
Building construction	207 608 024 52 966 936 14 066 932 6 051 258 42 889 091 43 442 824 1 590 685 16 386 616 2 648 916 9 358 150 13 794 775 2 236 908 2 174 933	144 504 718 56 752 902 10 476 799 2 968 264 27 264 478 12 881 160 1 477 332 9 519 992 2 176 653 8 693 403 9 508 925 1 550 517 1 234 292	\$\$\$\$\$ \$\$ \$\$ \$\$ \$\$	(w (w (w (w (w (w
Nonbuilding construction Highways, streets, and related facilities Outdoor swimming pools Airports. Parking areas Fencing Bridges and elevated highways Tunnels Dam and reservoir construction Marine construction Harbor and port facilities Conservation and development construction. Power and communication transmission lines, towers, and related facilities Mass transit construction Blast furnaces, petroleum refineries, and chemical complexes Power plants Sewer, water mains, and related facilities Pipe line, other than sewer or water lines Sewage treatment and water treatment plants Other nonbuilding construction	79 521 533 19 195 326 511 702 104 965 413 812 321 621 3 565 714 1 073 713 730 297 1 721 373 657 521 1 089 437 4 445 300 1 910 150 10 364 812 14 044 063 7 970 754 3 212 882 4 117 106 4 070 985	59 798 755 15 198 411 931 725 63 883 217 567 383 351 2 651 375 290 878 961 244 1 055 337 430 694 1 322 162 2 782 351 1 267 435 7 476 199 8 214 553 7 476 199 8 214 553 7 530 042 2 599 250 3 861 759 2 560 539	- \$\$3304\$\$1110\$\$\$\$1\$\$	(W)

The following abbreviations and symbols are used in the tables in this publication:

* Sampling error exceeds 40 percent.

Represents zero.

Represents total construction receipts less payments for construction work subcontracted to others.

(D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

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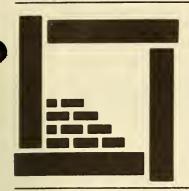
(X) Not applicable.

n.s.k. Not specified by kind.

^{**} All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.

Represents all business receipts less payments for construction work subcontracted to others, and payments for material, components, supplies, and fuels. In SIC's 1531, 6552, land receipts are also subtracted from "all business receipts".

⁽S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.



1982

Census of Construction Industries

CC82-SUM-1(P) Issued April 1984

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(Industry Statistics)
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Table 1. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

111000	and dollars. Detail may not add to total due to rounging. For mean			,, ,	1982			
			Emplo	yees**	Payroll			
SIC code	Industry	Number of establish- ments	All	Construction workers	All Construction workers	(thousands)	Total construction receipts	Net construction receipts†
	Construction industries and subdividers and developers	447 887	4 361 852	3 530 9 68	79 121 058 60 596 465		312 772 997	235 725 677
15,16, 17	Construction industries	441 851	4 320 275	3 515 20 3	78 5 26 5 56 60 432 13	5 902 050	3 10 62 2 5 66	234 379 988
15	General building contractors and operative builders	121 266	1 066 529	8 22 0 63	17 594 918 12 162 529	1 391 75 6	114 752 892	60 617 973
152 1521 1522	General contractors, residential buildings: Single-family houses Other residential buildings	72 0 6 1 7 570	368 675 65 518	30 6 600 52 478	4 053 805 3 152 752 1 134 540 802 867	489 6 57 91 47 6	22 194 184 8 100 812	15 870 606 3 71 6 447
1531	Operative builders	14 045	108 253	53 204	1 884 747 706 103	89 437	15 826 517	9 109 897
154 1541 1542	General contractors, nonresidential buildings: Industrial buildings and warehouses Nonresidential buildings, n.e.c	7 406 20 184	160 822 363 261	127 663 282 118	3 407 052 2 493 799 7 114 674 5 007 008		18 544 371 50 087 008	9 6 91 095 22 229 928
16	Heavy construction, general contractors	26 251	825 130	680 171	18 952 818 14 956 100	1 147 141	65 024 550	52 719 25 3
1611	Highway and street construction	8 177	185 574	157 859	3 552 904 2 801 413	284 755	16 179 460	13 172 239
162 1622 1623 1629	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction Water, sewer, and utility lines Heavy construction, n.e.c	997 9 313 7 764	37 174 188 537 413 845	32 112 1 6 2 020 328 180	790 611 646 365 3 601 173 2 924 482 11 008 130 8 583 840	306 669	3 337 551 12 067 366 33 440 173	2 660 909 10 575 253 26 310 852
17	Special trade contractors	294 334	2 428 616	2 012 969	41 978 820 33 313 502	3 363 151	130 845 124	121 042 762
1711	Plumbing, heating, and air conditioning	59 830	510 871	396 772	9 857 470 7 474 250	699 797	32 613 083	28 803 193
1721	Painting, paper hanging, and decorating	24 880	137 142	122 246	1 893 954 1 603 793		4 726 046	4 465 501
1731	Electrical work	38 470	444 315	359 905	9 152 188 7 374 814	641 794	25 773 571	25 069 460
174 1741 1742 1743	Masonry, plastering, and tile setting: Masonry, stone setting, and other stonework Plastering, drywall, and insulation work Terrazzo, tile, marble, and mosaic work	20 057 15 358 3 8 6 0	120 273 209 244 25 219	109 245 180 798 21 518	1 550 490 3 593 861 2 955 259 381 719 1 343 368 2 955 259 304 357	290 964	4 265 504 9 850 971 1 180 599	4 042 102 9 264 510 1 148 786
175 1751 1752	Carpentering and flooring: Carpentering Floor laying and other floorwork	30 634 6 7 6 3	134 000 32 6 97	118 189 25 702	1 643 782 503 598 1 376 986 369 39		5 577 542 1 825 097	4 861 829 1 728 073
1761	Roofing and sheet metal work	21 215	191 52 6	158 980	3 039 900 2 327 076	261 675	9 841 143	9 323 164
1771	Concrete work	19 884	177 763	155 253	2 590 246 2 113 339	250 439	9 669 402	8 714 913
1781	Water well drilling	3 516	17 253	13 775	250 449 191 000	25 458	1 019 012	988 998
179 1791 1793 1794 1795 1796 1799	Miscellaneous special trade contractors: Structural steel erection	3 692 3 864 17 368 886 3 753 20 304	63 086 36 517 130 440 8 456 62 641 127 173	53 848 26 900 109 933 7 240 50 928 101 737	1 340 588 1 097 047 708 983 501 997 2 026 685 1 658 600 132 722 108 85(1 508 215 1 191 427 1 803 970 1 321 940	46 989 184 769 11 342 87 510	3 617 661 2 461 724 7 698 653 382 923 4 372 292 5 969 901	3 305 235 2 402 851 6 918 435 346 744 4 142 442 5 516 526
6552	Subdividers and developers, n.e.c.	6 036	41 577	15 765	594 502 164 334	27 534	2 1 <mark>50</mark> 431	1 345 689

¹Land receipts for SIC 1531 were \$2,632,242; for SIC 6552 were \$1,058,661.

		1982-	-Con.				1977					
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub- contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	error (pe	ve stan of estir rcent) f olumn –	nate or	SIC code
1	J	К	L	М	N	0	Р	Q	В	Н	М	
148 135 157	96 961 653	77 047 308	4 515 654	5 294 939	57 564 266	4 272 659	214 844 319	98 863 653	(W)	(W)	(W)	
146 978 736	96 518 703	76 242 566	4 496 844	5 216 013	56 296 126	4 233 658	213 032 139	98 116 143	(W)	(W)	(W)	15,16, 17
35 945 524	26 557 026	54 134 915	902 442	1 289 534	13 111 830	1 180 74 7	85 540 339	25 040 430	(W)	(W)	1	15
8 736 488 2 031 743	7 580 560 1 788 584	6 323 578 4 384 364	204 688 55 884	309 753 91 251	2 763 813 579 552	437 681 55 589	21 292 675 4 442 110	7 297 013 1 144 584	(W) (W)	(W) (W)	1	152 1521 1522
5 749 452	3 837 196	6 716 619	97 517	261 422	3 298 061	173 819	19 812 272	5 229 031	(W)	(W)	(W)	1531
6 006 115 13 421 726	3 969 200 9 381 486	8 853 275 2 7 857 079	165 546 378 807	168 489 458 6 1 9	1 719 274 4 751 130	202 070 311 588	12 855 514 2 7 137 768	4 257 546 7 112 256	(W) (W)	(W) (W)	(W) (W)	154 1541 1542
35 200 689	21 354 457	12 305 295	1 665 106	1 602 710	19 135 830	917 083	48 253 618	26 5 73 28 6	(W)	(W)	(W)	16
7 740 455	6 217 764	3 007 221	555 212	585 918	8 094 582	26 7 917	15 021 207	7 641 218	(W)	(W)	(W)	1611
1 420 581 7 104 801 18 934 852	1 386 821 3 661 607 10 088 265	676 642 1 492 112 7 129 320	78 608 466 420 564 866	86 675 488 235 441 882	996 616 4 808 802 5 235 830	38 093 198 354 412 7 19	2 247 284 9 361 092 21 624 035	962 687 5 522 719 12 446 662	1 (W) (W)	(W) (W) (W)	(W) (W) (W)	162 1622 1623 1629
75 832 523	48 607 220	9 802 356	1 929 296	2 323 769	24 048 466	2 135 828	79 238 182	46 502 427	(W)	(W)	1	17
16 933 312	12 7 24 731	3 809 889	363 915	437 249	4 560 201	458 687	21 072 098	10 681 068	(W)	(W)	(W)	1711
3 414 612	1 087 274	260 545	64 902	92 220	731 275	133 106	3 171 129	2 362 004	(W)	(W)	1	1721
15 142 057	10 439 371	704 110	238 316	368 380	3 725 200	356 591	14 221 277	8 748 490	(W)	(W)	(W)	1731
2 663 038 6 005 118 660 991	1 442 256 3 619 474 507 918	223 401 586 461 31 813	51 317 100 323 9 247	72 555 125 650 13 878	839 425 1 021 468 116 888	152 167 180 326 22 324	3 775 368 6 057 467 766 114	2 416 694 3 630 142 443 049	(W)	(W) (W) 1	1 1 4	174 1741 1742 1743
2 985 530 929 017	1 938 294 858 8 7 0	7 15 713 97 024	52 492 19 330	76 183 19 306	691 324 171 478	124 646 40 990	3 597 222 1 616 932	2 083 098 823 659	1 1	(W)	1 3	175 1751 1752
5 465 642	4 051 748	517 978	109 545	157 061	1 390 926	171 931	6 200 390	3 420 412	(W)	(W)	1	1761
5 059 252	3 886 482	954 489	218 913	244 238	2 774 327	118 116	4 097 293	2 227 880	(W)	(W)	(W)	1771
579 889	426 804	30 014	11 259	34 018	527 482	22 352	1 090 418	628 789	2	2	5	1781
2 424 996 1 320 297 5 235 403 319 487 3 080 076 3 613 806	989 928 1 274 309 1 993 128 54 043 1 130 330 2 182 260	312 426 58 873 780 218 36 178 229 849 453 375	83 897 29 622 406 102 25 768 44 988 99 360	69 952 28 781 394 949 17 059 49 073 123 217	708 004 236 093 4 807 214 172 804 458 664 1 115 693	47 166 26 125 104 092 8 295 40 474 128 440	1 803 301 1 006 566 4 215 722 240 630 1 899 047 4 407 208	1 184 420 570 736 2 993 648 210 606 1 385 046 2 692 686	(W) 1 1 1 (W)	(W) 1 (W) 1 (W) (W)	1 2 1 1 1	179 1791 1793 1794 1795 1796 1799
1 156 421	442 950	804 742	18 810	78 926	1 268 140	39 001	1 812 184	747 516	1	1	1	6552

Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Harm			Relative standard erro	or of estimate (percent)
Item	1982	1977	1982	197
Total construction receipts	312 772 997	214 844 319	(W)	(W
uilding construction	207 608 024	144 504 718	(W)	(W
Single-family houses	52 966 936	56 752 902	(W)	V)
Apartment buildings with two or more apartments	14 066 932	10 476 799	(W)	(v (v) (v) (v)
Other residential buildings	6 051 258	2 968 264	(W)	(V
Industrial buildings and warehouses	42 889 091	27 264 478	(W)	ĺ (V
Office and bank buildings	43 442 824	12 881 160	(W)	(v
Farm buildings	1 590 685	1 477 332	2	
Farm buildingsStores, restaurants, public garages, and automobile service stations	16 386 616	9 519 992	(W)	(v
Religious buildings	2 648 916	2 176 653	1	
Educational buildings	9 358 150	8 693 403	(W)	(V (V
Hospitals and institutional buildings	13 794 775	9 508 925	(W)	(v
Amusement, social, and recreational buildings	2 236 908	1 550 517	1	
Other nonresidential buildings	2 174 933	1 234 292	1	
onbuilding construction	79 521 533	59 798 755	(W)	(V
Highways, streets, and related facilities	19 195 326	15 198 411	(W)	ίν
Outdoor swimming pools	511 702	931 725	` á	,
Airports	104 965	63 883	3	
Parking areas	413 812	217 567	2	
Fencing	321 621	383 351	4	
Bridges and elevated highways	3 565 714	2 651 375	(W)	(v
Tunnels	1 073 713	290 878	(W)	,
Dam and reservoir construction	730 297	961 244	` i	(V
Marine construction	1 721 373	1 055 337	1	,
Harbor and port facilities	657 521	430 694	1	
Conservation and development construction	1 089 437	1 322 162	2	
Power and communication transmission lines, towers, and related facilities	4 445 300	2 782 351	(W)	
Mass transit construction	1 910 150	1 267 435	(W)	
Blast furnaces, petroleum refineries, and chemical complexes	10 364 812	7 476 199	(W)	(V
Power plants	14 044 063	8 214 553	(W)	(V
Sewer, water mains, and related facilities	7 970 754	7 530 042	1	v)
Pipe line, other than sewer or water lines	3 212 882	2 599 250	(W)	v)
Sewage treatment and water treatment plants	4 117 106	3 861 759	(W)	v)
Other nonbuilding construction	4 070 985	2 560 539	1	,
instruction work, n.s.k.	25 643 440	10 542 872	(W)	

The following abbreviations and symbols are used in the tables in this publication:

Sampling error exceeds 40 percent.

All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.

Represents zero.

Represents total construction receipts less payments for construction work subcontracted to others.

Represents all business receipts less payments for construction work subcontracted to others, and payments for material, components, supplies, and fuels. In SIC's 1531, 6552, land receipts are also subtracted from "all business receipts".

Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

(NA) Not available.

Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard (S) error, or a consistency review.

(W) Greater than zero but less than 1 percent.

(X) Not applicable.

n.s.k. Not specified by kind.





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